

Abstract of the Disclosure

A lawnmower consisting essentially of a novel rotary cutting apparatus comprising a plurality of small, lightweight blades and a grass guide for bending and constraining the grass for ease of cutting. The grass guide is mounted substantially parallel to the drive shafts projects downward from the mower chassis and its bottom-most portion is positioned just above slightly forward the lower blade ends. of the blades. As the mower is propelled forward, the grass guide bends the grass forward and constrains movement of the grass such that only the outer radii of the blades contact the grass, optimizing cutting efficiency. The blades may be individually driven by one or more small electric motors powered by a rechargeable battery or batteries or other source. The drive shafts are situated at an angle adjustably tilted between ±5 and 90 degrees in the longitudinal direction from vertical in order to limit the cutting area of the blades.